	Section	Total RKM
(iii)	Waltair-Kirandul incl. Damanjodi-Koraput	
(iv)	Champa-Garwa Road	
(v)	Rourkela-Pimpri	
(vi)	Kharagpur-Midnapur	
(vii)	Suburban section of Calcutta on S.E. Railway	
(viii)	Bilaspur-Katni complete section	
(ix)	Anuppur-Chirimiri/Bishrampur-Chandrapura complex-Talgaria-Tupkadih	
(x)	Durg-Marauda Yard	
(xi)	Simhachalam (North)-Gopalpatnam	
(xii)	Mohuda-Jamadoba	
(xiii)	Dumetra-Lathikata	2913
7.	*Western Railway*	
(i)	Mathura-Kota	
(ii)	Ratlam-Baroda-Bombay Central	
(iii)	Anand-Godhra	
(iv)	Baroda-Ahmedabad-Gandhinagar	
(v)	Nagda-Bhopal	
(vi)	Agra-Bayana	1793
	TOTAL	13054

(c) and (d) Details of routes under electrification programme during 1996-97 and 1997-98 are as under:

Section to be electrified during 1996-97

	Section	RKM
1.	Tori-Patratu	60
2.	Patratu-Chainpur	41
3.	Mandi Govindgarh-Ludhiana	46
4.	Walayar-Vallatolnagar	72
5.	Bhimadolu-Nidadavolu-Rajahmundry Samalkot-Annavaram-Anakapalli	179
6.	karkend-jamadoba	8
7.	Bondamunda-Barsuan/ Kriburu	105
8.	Jamtara-Jhajha	123
	TOTAL	634

Section to be electrified during 1997-98

1.	Chainpur-Gumia	31
2.	Shoranur-Chalkudi	60
3.	Ambala-Jagadhari	55
4.	Chandil-Muri-Barkakana	119
5.	Bokaro Steel City-Muri	53
	Purulia-Kotshilla	36
	Bondamunda-Hatia	158
6.	Jhajha-Kiul	53
	TOTAL	565

Long Term Action Plan for Cyclone Prone Areas

3071. DR. Y. LAKSHMI PRASAD: Will the Minister of AGRICULTURE be pleased to state:

(a) the long term action plan for cyclone prone areas to meet any eventualities; and

(b) the scheme under "Disaster Management" for checking natural calamities in Andhra Pradesh, with details thereof?

THE MINISTER OF AGRICULTURE (SHRI CHATURANAN MISHRA): (a) and (b) Government of India and the concerned State Governments have undertaken many programmes for reducing the impact of cyclones in the coastal areas including Andhra Pradesh. A net-work of cyclone warning Centres has been established in the coastal areas for observing, tracking and forecasting cyclones. These facilities are being upgraded and strengthened with installation of sophisticated doppler radars. The Meteorological Payload of INSAT 2 E will also have additional facilities to improve cylone forecasting and warning. The other measures include construction of cyclone shelters, shelter belt plantations and improvement of communication net-work through Ham Radios and public education and community awareness programmes

Plans for Modernisation of Railway System

3072. SHRI SANJAY DALMIA: Will the Minister of RAILWAYS be pleased to state:

(a) the details of plans drawn and being implemented to modern the Railway system; and

(b) the details of progress made during the last three years in respect of modernisation of the railway track, telecommunications, etc.?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI SATPAL MAHARAJ):

(a) Modernisation of Railway system is an on-going process. In this regard Ministry of Railways has undertaken various steps indicated as under:

(i) Computerisation & Information System

(1) Computerised passenger reservation facilities provided at 271 locations as on 31,03.%.

(2) Wagon census and interchange.

(3) Management information systems relating to selected areas of railway working in the zonal railway head-quarters and 18 divisional headqua-ters.

(4) Important aspects of selected work-shops, production units, hospitals, stores depots and claims offices.

(ii) Efficiency & Research

(1) Development of improved turnout design using welded heat-treated crossing/explosion hardened cros-sings/movable nose crossings.

(2) Development of microprocessor based solid state block instruments.

(3) Development of electronic fuel injection to improve specific fuel consumption of diesel locos.

(4) Development of microprocessor based system for tap-changer and Thyristor controlled electric locomotives.

(iii) Electrical Engineering

(1) The existing 24V train lighting system in broad gauge coaches is being upgraded to 110V lighting system and as on date 60% of the coaching stock is having such a system.

(2) AC fans have been provided on experimental basis in place of existing fans.

(3) Upgrading the existing AC coaches by providing Roof Mounted AC package units, inverters etc.

(4) Equipment for OHE, Traction sub-stations has been upgraded with the introduction of PTFE Type